

MINNESOTA: St. Anthony Falls, *J. H. Schuette*, July 14, 1888 (G); Courtland, Nicolette County, *C. A. Ballard*, July, 1892 (G); Bald Eagle, Ramley County, *S. F. Blake*, no. 170, July 4, 1910 (A); Cass Lake, *L. H. Pammel*, no. 50, July 24-26, 1925 (A); Lake Pepin, 75 mls. below St. Paul, ex Herbarium Jno. R. and Jas. Rhodes, no. 875, July 11, 1862 (P).

INDIANA: Miller's, *J. M. Greenman*, Aug. 20, 1908 (G); Howe, LaGrange County, *C. C. Deam*, nos. 14949, 20670, Aug. 29, 1914, July 9, 1916 (A); Ciecott, Cass County, *C. C. Deam*, no. 17843, July 22, 1915 (A); Lakeville, Newton County, *C. C. Deam*, no. 18105, Aug. 24, 1915 (A).

ILLINOIS: Port Byron, *E. T. & S. A. Harper*, June, 1898 (A); Lisle, *A. J. Prisc*, no. 131, Aug. 4, 1925 (A); Utica, *Mrs. Joseph Clemens*, Aug. 7, 1900 (A); East Dubuque, Jo. Daviess County, *E. J. Palmer*, nos. 27877, 27878, June 12, 1925 (A); Oquawka, *Harry N. Patterson*, May-June (G); Macon, Forsythe County, *Allan Gleason*, no. 211, June 10, 1896 (G); Winnebago County, *M. S. Bebb*, 1867 (G, P); Augusta, *S. B. Mead*, July, 1846 (G); Champagne, *A. S. Peace*, no. 12804, Sept. 11, 1909 (G); Peoria, *F. E. McDonald*, July, 1904 (G); Stony Island, Cook County, *Huron H. Smith*, no. 5961, June 30, 1914 (G); Normal, *B. L. Robinson*, July, 1887 (G); Illinois, *Buckley* (without locality or date) (G); Rockford, Winnebago County, *M. E. Holmes*, 1874 (P); Chicago, *S. C. Williamson*, 1893 (P); Rock Island, *Dr. Sargent*, Oct., 1859 (P); Peoria, *A. J. Stewart* (P); Chicago, *H. W. Clark*, no. 977, July 12, 1902 (P); Delavan, *J. J. Carter*, July, 1879 (P); Beardstown, *Chas. A. Geyer*, July, 1842 (P); between Galena and Chicago, *Mrs. Blandine* (P); Prairies of Illinois, *Lapham*, Sept. 1837 (P); Prairies of Illinois, *C. W. Short*, 1860 (P); Augusta, *S. B. Meade*, Aug. 1852, June 25, 1860 (P); Prairies of Illinois, *Jane Bettie* (P); Waukegan, *T. Meehan* (P).

IOWA: Dennison, Jefferson County, *T. A. Allen*, July 26, 1867 (G); Grinnell, *M. E. Jones*, 1876, July 17, 1877 (G, A); Hamberg, *L. H. Pammel & H. Clark*, no. 19, July 4, 1914 (A); Ames, *Robt. Combs*, no. 572, July 2, 1897 (G); Crawford County, *T. A. Allen*, July 14, 1867 (G); Bentonsport, *E. W. Graves*, no. 1697, July, 1920 (A); Charleston, Lucas County, *E. J. Palmer*, no. 35807, May 18, 1929 (A); *S. C. Williams*, July, 1893 (P).

MISSOURI: *O. E. Lansing, Jr.*, nos. 3109, 3177, June 5-12, 1911 (G); Allenton, *G. W. Letterman*, May 25, 1887 (G); Dumas, *B. F. Bush*, nos. 5890, 9546, 10131, July 7, 1909, Aug. 29, 1921, July 27, 1923 (A); Dumas, *E. J. Palmer*, no. 21879, Sept. 7, 1922 (A); Jerome, *J. H. Kellogg*, no. 366, June 18, 1913 (A); Odessa, *B. F.*

Bush, nos. 11361, 11362, 11363, July 7, 1927 (A); Monteer, *B. F. Bush*, no. 11429, Aug. 4, 1927 (A); Carthage, *B. F. Bush*, no. 10393, Oct. 6, 1925 (A); Knox City, Knox County, *E. J. Palmer*, no. 35922, May 21, 1929 (A); Cole Camp, Benton County, *E. J. Palmer*, nos. 26363 (in part), 30083, Oct. 1, 1924, May 12, 1926 (A); Howe's Mill, Dent County, *E. J. Palmer*, no. 34937, July 3, 1928 (A); Watson, Atchison County, *E. J. Palmer*, no. 18937, Sept. 3, 1920 (A); Maryville, Nodaway County, *E. J. Palmer*, no. 25439, June 13, 1924 (A); Forest City, Holt County, *E. J. Palmer*, nos. 25395, 26004, June 12, Sept. 2, 1924 (A); Swope Park (Jackson County), *B. F. Bush*, no. 10358, Oct. 10, 1924 (A); Montieth Junction, Bates County, *E. J. Palmer*, no. 26076, Sept. 10, 1924 (A); Webb City, Jasper County, *E. J. Palmer*, June 16, 1901, no. 22319, Oct. 17, 1922 (A); along James River, Stone County, *E. J. Palmer*, no. 5840, June 2, 1914 (A); Mansfield, Wright County, *E. J. Palmer*, no. 34691, June 25, 1928 (A); St. Louis, *Nuttall* (P); Hannibal, *J. Davis*, June 19, 1917 (P); Meramec Highlands (St. Louis County), *E. B. Bartram*, no. 1507, May 27, 1911 (P).

NORTH DAKOTA: Bismarck, *Esther L. Larsen*, no. 170, Aug. 12, 1929 (G); Fargo, *H. L. Bolly*, no. 120, July, 1892 (G, P); Buckhouse slough, Hankinson, *F. P. Metcalf*, no. 170, July 23, 1917 (A); Dakota (without locality or date) *Dr. Gladfelter* (P).

SOUTH DAKOTA: White Rock, *Mrs. H. O. Powell*, July, 1903 (G); Brookings, *John J. Thurberer*, July 17, 1894 (G); Big Stone, *T. A. Williams*, no. 160, Aug. 14, 1894 (A); Pine Ridge Indian Reservation, Washabaugh County, *E. J. Palmer*, no. 37641, June 29, 1929 (A); Piedmont, Lawrence County, *E. J. Palmer*, no. 37024, June 8, 1929 (A).

NEBRASKA: Plummer's Ford, Dismal River, Thomas County, *P. A. Rydberg*, no. 1417, July 8, 1893 (G); Kearney, *J. H. Holmes*, 1889 (A); Whitman, *J. M. Bates*, no. 6011, July 22, 1914 (A); Omaha, *C. Williamson*, Aug., 1889 (P).

KANSAS: Riley County, *J. B. S. Norton*, nos. 88, 88a, 1895, 1896 (G); Wichita, *S. F. Poole*, May, 1905 (G); Osborne City, *C. L. Shear*, no. 105, June 11, 1894 (G); Neodesha, Wilson County, *E. J. Palmer*, no. 22017, Sept. 19, 1922 (A); Ellsworth, Ellsworth County, *E. J. Palmer*, no. 21269, May 13, 1922 (A); Lyons, Rice County, *E. J. Palmer*, no. 21224, May 10, 1922 (A); Hays, Hays County, *E. J. Palmer*, no. 21310, May 15, 1922 (A).

OKLAHOMA: Cora, Woods County, *G. W. Stevens*, no. 748, May 28, 1913 (A); Cache, Comanche County, *G. W. Stevens*, no. 1338½, June 25, 1913 (A); Miami, Ottawa County, *G. W. Stevens*, no. 2457, Aug. 27, 1913 (A); Fonts, Lincoln County, *Clara Means*, June 13,

1895 (G); Huntsville, Kingfisher County, *Laura A. Blankenship*, May 30, 1896 (G); Wichita Mts., Marcey Expedition, 1852 (G); Kenton, Cimarron County, *G. W. Stevens*, no. 492, May 15, 1913 (G); Elk City, Beckham County, *E. J. Palmer*, no. 12567, June 16, 1917 (A); Seiling, *D. M. Andrews*, no. 67, Aug. 17, 1915 (A); Sapulpa, *C. B. Williams*, July 2, 1924 (P).

ARKANSAS: *Dr. Pitcher* (without locality or date) (P).

WYOMING: Sundance, Crook County, *Aven Nelson*, no. 5919, July 24, 1910 (G).

NEW MEXICO: Las Vegas, San Miguel County, *Bro. Aneet*, no. 136, June 1920 (G); Vermejo Park, *Mrs. O. S. St. John*, no. 184, July-Aug., 1894 (G); La Cueva, Mora County, *Bros. G. Arsène & A. Benedict*, no. 17104, July 2, 1926 (A); Las Vegas Hot Springs, *Alfred Rehder*, no. 643, Sept. 21, 1916 (A).

TEXAS: Gamble's Ranch, Armstrong County, *E. J. Palmer*, no. 13980, June 6, 1918 (A).

Frequently cultivated in American and European Parks and gardens.

2a. *Amorpha canescens* var. *glabrata* Gray, Pl. Wright. I. 49 (1852).

Amorpha canescens β . *leptostachya* Engelmann apud Gray, Mem. Am. Acad. Sci. II. 4, 31 (1849), nomen nudum.

Differs from the typical form in the branches and foliage being only sparsely pubescent or glabrate and in the greener color of the leaves. The amount of pubescence is extremely variable and a complete series of gradations may be found between this variety and the typical form. In depauperate specimens the leaflets are often very small and the inflorescence is reduced to a single short spike. These variants perhaps deserve only to be regarded as forms, but to avoid making a new combination I am retaining Dr. Gray's varietal name.

Illinois and Missouri to Texas and New Mexico.—Type locality: eastern Texas.

MISSOURI: Medill, Clark County, *B. F. Bush*, no. 9162, Aug. 23, 1920 (A); Forest Mill, Jasper County, *E. J. Palmer*, no. 21673, June 2, 1922 (A); Neck City, Jasper County, *E. J. Palmer*, no. 20523, Sept. 19, 1921 (A); Melugin, Jasper County, *E. J. Palmer*, no. 25305, June 4, 1924 (A); Galena, Stone County, *E. J. Palmer*, no. 26150, Sept. 16, 1924 (A); Pontiac, Ozark County, *E. J. Palmer*, no. 33126, Oct. 12, 1927 (A); Columbia, cliffs of Grindstone, *Francis P. Daniels*, July, 1903 (University of Missouri Herbarium); Cole Camp, Benton County, *E. J. Palmer*, no. 26362, Oct. 1, 1924 (in part) (A).